

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Huitao Luo et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: SYSTEMS AND METHODS OF DETECTING AND CORRECTING REDEYE IN AN IMAGE
SUITABLE FOR EMBEDDED APPLICATIONS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **ET649780277US**

Date of Deposit **Aug. 29, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: **Edouard Garcia**

Respectfully submitted,

Huitao Luo et al.

By

Edouard Garcia

Attorney/Agent for Applicant(s)

Reg. No. **38,461**

Date: **Aug. 29, 2003**

PATENT APPLICATION

Sheet 1 of 3

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200310865-1		
	APPLICANT		
	Huitao Luo et al.		
	FILING DATE	GROUP	
	Herewith		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,292,574	Sep. 18, 2001	Schildkraut et al.	
	1B	6,016,354	Jan. 18, 2000	Lin et al.	
	1C	6,009,209	Dec. 28, 1999	Acker et al.	
	1D	5,432,863	Jul. 11, 1995	Benati et al.	
	1E	2002/0176623	Nov. 28, 2002	Steinberg	
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	M. Gaubatz and R. Ulichney, "Automatic red-eye detection and correction," ICIP, New York, 2002.
1R	R-L Hsu, M. Abdel-Mottaleb and A.K. Jain, "Face Detection in Color Images," ICIP, Thessaloniki, 2001.
1S	"Better Pictures, More Choices," Eastman Kodak Company, (Feb. 5, 2002).

EXAMINER

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PATENT APPLICATION

Sheet 2 of 3

FORM PTO-1449

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	2L					
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	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	"Industry's first completely automatic red eye detection and reduction system launched," Pictos Technologies, Inc. (Apr. 2002).
	2R	"Red-Eye Removal," Pixology - Product Categories, (before Apr. 2003).
	2S	Paul Viola and Michael J. Jones, "Robust Real-Time Object Detection," Cambridge Research Reports Technical Report Series (Feb. 2001).

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	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	Chrisophe Garcia & Georgios Tziritas, "Face Detection Using Quantized Skin Color Regions Merging and Wavelet Packet Analysis," IEEE Transactions on Multimedia, VOL. 1, No. 3 Sep. 1999).
	3R	
	3S	

EXAMINER

DATE CONSIDERED